

# EMPOWERING WARFIGHTERS WITH ADVANCED TECHNOLOGY

ISO 9001:2015/AS9100D  
ITAR, FDA REGISTERED

Today's warfighters are equipped with advanced gear that significantly enhances their effectiveness and safety on the battlefield. Modern military equipment, ranging from navigation systems to communication headsets and night vision devices, is designed to provide maximum protection and situational awareness.

Fralock is an established provider of reliable custom components and sub-assemblies for a wide array of military applications. Offerings include flex and rigid-flex circuits, flexible polyimide and ceramic heaters, cut to shape gaskets, seals, and thermal pads, engineered technical ceramics, and turnkey builds.

## Hearing Protection Headset

- Rigid-Flex Circuits
- Shielding Gasket
- Acoustical Fabric
- Insulators



## Night Vision

- Rigid-Flex Circuits
- Ceramic Insulators
- Shielding Gaskets
- Insulators



## Navigation Systems

- Rigid-Flex Circuits
- EMI/RFI Shielding & Absorbers
- Environmental Seals
- Thermal Interface Materials
- Printed Wiring Boards

## Helmet-Mounted Display

- Shielded Rigid-Flex Circuits
- Optical Films
- Conductive Adhesives



## Radio Communications

- Rigid-Flex Circuits
- EMI/RFI Shielding
- High-Frequency Absorbers
- Thermal Interface Materials

## Battery/Power Module

- Thin Film Flex Heater
- TIM - Thermal Spreaders
- Thermal Barriers
- Environmental Seals



## Military Drones

- Flex & Rigid-Flex Circuits
- Populated CCAs
- Metallized Ceramics - LTCC, Alumina, AlN



## Ruggedized Computers

- Rigid-Flex Circuits
- Thermal Interface Pads
- Shock Absorbing Solutions
- Environmental Seals
- EMI/RFI Shielding



## Electronic Binoculars

- Flex/Rigid-Flex Circuits
- Metallized Ceramic Spacers
- Environmental/EMI Seals

## Rifle Sights

- Flex Circuits
- Ceramic Spacers

## Sensors

- Rigid-Flex /CCAs
- Metallized Ceramics
- Attachment Solutions

# LET US HELP YOU WITH YOUR NEXT CHALLENGING APPLICATION!



800.372.5625 • Sales@fralock.com

## Precision Manufacturing to Your Specifications

- Flex and Rigid Flex design, engineering, prototype, & production, full population
- Custom solutions with thin films, foils, foams, fabrics, tapes, adhesives, shielding, thermal interface materials, and specialty laminates
- Multi-layer ceramic heaters with rapid thermal cycling
- Structural technical ceramics with or without metallization

[www.fralock.com](http://www.fralock.com)



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Fralock's multiple U.S. facilities  
comprise 266,274 sq ft.